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Notes ID: 1A5D249652F9B766852577DD0067180F

From: Dave Dickerson/R1/USEPA/US

To: Karl Gustavson/DC/USEPA/US@EPA

Copy To: Earl.Hayter@usace.army.mil; Paul.R.Schroeder@erdc.usace.army.mil

Delivered Date: 03/09/2009 04:26 PM EDT

Subject: Re: CAD cell locations

roger that, we'll do the best we can. but again, the lower harbor CAD cell is still only conceptual. As I mentioned, it will be somewhere btw. Rt 6 and Marsh Island, to the east of the nav. channel in this area. Let me know if you need help with these landmarks. Beyond that we have no further definition on the geometry, except that the final cap will be somewhat lower (~5') than the existing harbor bottom.

Karl Gustavson/DC/USEPA/US

Karl Gustavson/DC/USEPA/US
03/09/2009 03:55 PM

To	Dave Dickerson/R1/USEPA/US@EPA
cc	Earl.Hayter@usace.army.mil, Paul.R.Schroeder@erdc.usace.army.mil
Subject	Re: CAD cell locations

Ah, the best laid plans...

Well, when we get to the point of corresponding our hydrodynamic output with your remedial scenarios (CAD cells) we'll of course be looking for detail on where/how big, etc.

Thanks,

Karl

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Karl Gustavson, Ph.D.
Contaminated Sediment Liaison to US EPA
US Army Engineer Research and Development Center

Phone: 703-603-8753
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Dave Dickerson---03/09/2009 03:42:51 PM---negative - these are the original upper harbor conceptual locations for further study. The easter

From: Dave Dickerson/R1/USEPA/US
To: Karl Gustavson/DC/USEPA/US@EPA
Date: 03/09/2009 03:42 PM
Subject: Re: CAD cell locations

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negative - these are the original upper harbor conceptual locations for further study. The eastern one shown here is definitely out (too much silt), and the western one is probably out (pending funding levels and further evaluations).

Karl Gustavson/DC/USEPA/US

Karl Gustavson/DC/USEPA/US
03/09/2009 03:30 PM

To	Dave Dickerson/R1/USEPA/US@EPA
cc	
Subject	Re: CAD cell locations

So, I have this diagram. Does it represent current locations? Paul want to get estimated currents. If this attachment represents the location and size of cells being considered, perhaps we should obtain the shape files.

[attachment "CAD cell footprint.pdf" deleted by Karl Gustavson/DC/USEPA/US]

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Dave Dickerson---03/09/2009 09:26:02 AM---Karl - a couple of things in this regard: 1 - at this point we may or may not build the UPPER ha

From: Dave Dickerson/R1/USEPA/US
To: Karl Gustavson/DC/USEPA/US@EPA
Cc: Earl.Hayter@usace.army.mil
Date: 03/09/2009 09:26 AM
Subject: Re: CAD cell locations

Karl - a couple of things in this regard:

1 - at this point we may or may not build the UPPER harbor CAD cell, if the rumored increased funding levels indeed pan out.

2 - the lower harbor CAD cell, which is still only conceptual (i.e. no design) would be located between the Rt. 6 bridge and "Marsh Island" (which is the peninsula in nFairhaven just south of the Rt 195 bridge, and likely to the east of the navigational channel in that area. At this point we are planning for a silt curtain and oil boom around the perimeter, but no sheet pile. Our best guess at the implementation time frame is 2011-2013, perhaps longer if the city piggy backs a navigational componant on to it.

3 - in the long term the cap would likely be lower than the current bottom elevation, and the depth of this depression is generally defined by the depth of silts in the area.

Gotta run to a meeting - hope this helps..

Dave

Karl Gustavson/DC/USEPA/US

Karl Gustavson/DC/USEPA/US 03/08/2009 11:26 AM	
	To: Dave Dickerson/R1/USEPA/US@EPA cc: Earl.Hayter@usace.army.mil Subject: CAD cell locations

Hi Dave,

I was hoping to get the CAD cell design and locations from you for inclusion in the NBH modeling. Earl Hayter and I

spoke with Paul Schroeder last week. Earl's in charge of the hydrodynamic modelling components and will need the dimensions, general design (open ended; sheet-pile above water; submerged at 30ft; etc), and location of the CAD cells. It may be most useful to just get the GIS shape files for size and location. We saw in a document that Paul had that Apex had developed design and mapping of the CADs. Perhaps if you talk to them, could you remind them of the bathymetry as well?

Thank you,

Karl

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